

## **DRY STACK FACILITY (STRUCTURAL) - OPERATION AND MAINTENANCE**

### **Oklahoma Job Sheet - ENG-OK-6**

USDA Natural Resources Conservation Service Stillwater, Oklahoma
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#### **OPERATION**

1. This structure is designed for \_\_\_\_\_ days storage capacity.
2. Prevent discharge from the dry stack facility by applying accumulated solids to the land. Completely clean out the drystack facility when the design volume has been obtained and sufficient moisture has been removed by drainage and evaporation to allow handling of the material as a solid. Waste should not be spread within 24 hours of predicted rain unless it can be incorporated at the time of application. Ideally, waste should be applied when plant utilization is taking place. Conversely, the winter months and periods with a high probability of surface runoff (mid April through June) should be avoided when possible. Because of the relatively short design storage period (\_\_\_\_ days), some waste will have to be applied during the undesirable period of the year. Timing of waste application based on the producer's judgement of current weather and soil conditions will be required to reduce the potential for surface and groundwater pollution.
3. Testing the solids for nutrient content to more accurately determine land application rates is recommended.

#### **MAINTENANCE**

1. Inspect regularly and repair any cracks or premature degraded areas in the concrete.
2. Inspect liquid drainage components (usually to lagoon or waste storage pond) to insure that they are open and operating properly. For covered facilities, inspect lumber and sheet metal components and repair as needed.
3. Where applicable, berms and other surface drainage features shall be maintained so that contaminated surface runoff does not leave the structure.

#### **SAFETY**

1. All equipment operators should be trained in safe operational procedures before being allowed to operate the equipment.
2. The producer is responsible for compliance with any state rules related to occupational safety and health requirements for agricultural operations.

**Assistance with waste storage tank operation and maintenance is available from local Natural Resources Conservation Service Offices. Assistance is available without regard to race, color, national origin, religion, sex, age, marital status or handicap.**